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**Gotay, Mark J.** (3-CALG)

**Poisson reduction and quantization for the  $n + 1$  photon.**

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An algebraic approach is exploited for the extension of methods of geometric quantization to singular constrained dynamical systems. The simple, but physically interesting, example of a massless, spinless relativistic particle in  $(n + 1)$ -dimensional Minkowski space-time is considered in detail.

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